

Data File : VL037763.D
Acq On : 4 Oct 2021 15:57
Operator : SY/AP
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Oct 04 17:32:08 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 04 12:52:19 2021
QLast Update : Mon Oct 04 12:52:19 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1402853	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4111572	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3539703	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2461157	9.62	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.99	51	11033	0.042	ppbv	93
8) Dichlorotetrafluoroethane	3.19	85	6839	0.031	ppbv #	54
13) Ethanol	3.61	45	436	0.048	ppbv #	27
15) Acetone	3.88	43	8356	0.057	ppbv #	46
20) Methylene Chloride	4.35	84	4976	0.072	ppbv #	14
39) 1,2-Dichloropropane	7.18	63	982541	7.482	ppbv #	28

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100421\

Quantitation Report (Not Reviewed)

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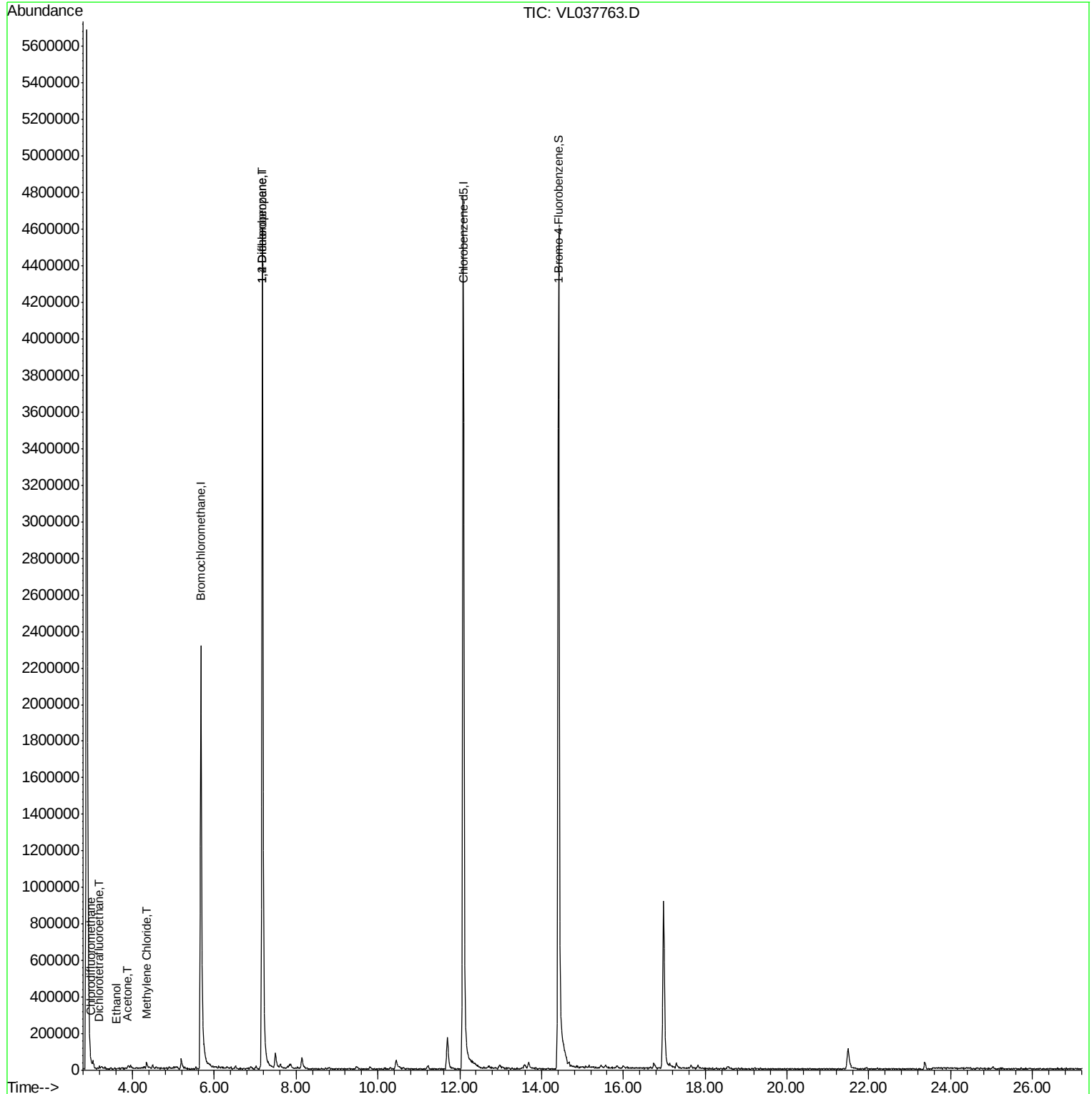
Quant Time: Oct 04 17:32:08 2021

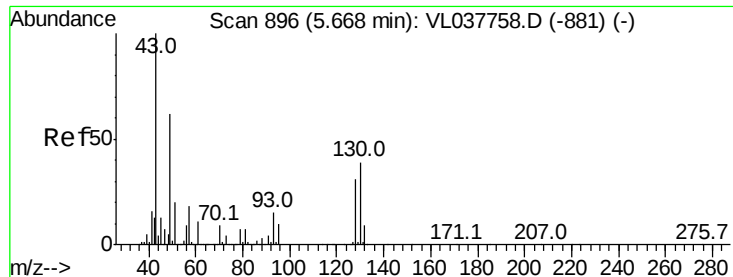
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC0.03

Acq: 4 Oct 2021 15:57

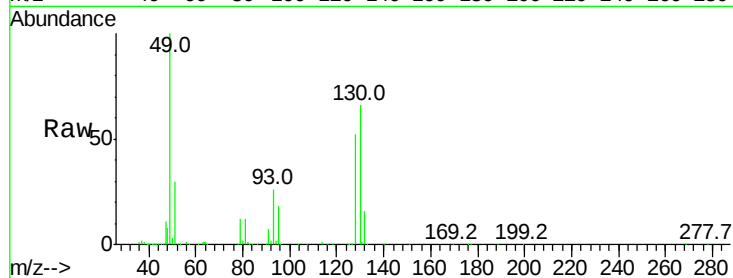
Tgt Ion: 49 Resp: 1402853

Ion Ratio Lower Upper

49 100

128 55.2 27.1 81.3

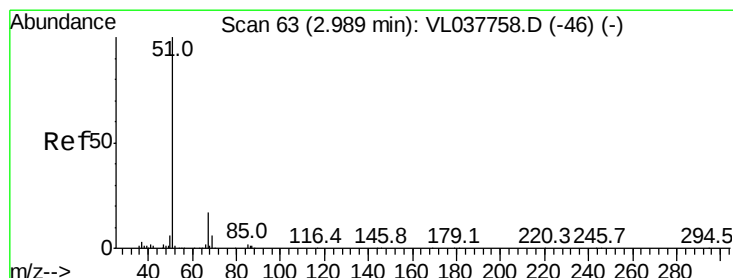
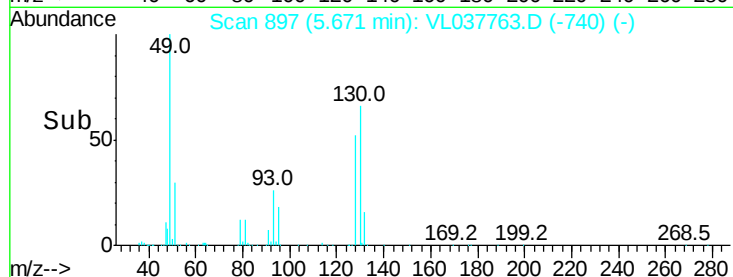
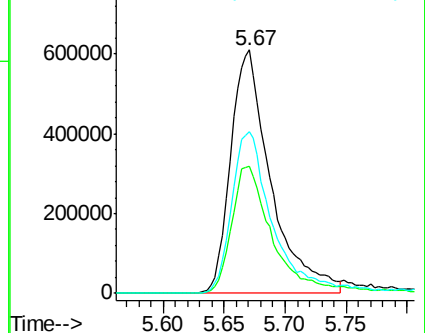
130 69.7 33.2 99.6



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#3

Chlorodifluoromethane

Concen: 0.042 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.00 min

Lab File: VL037763.D

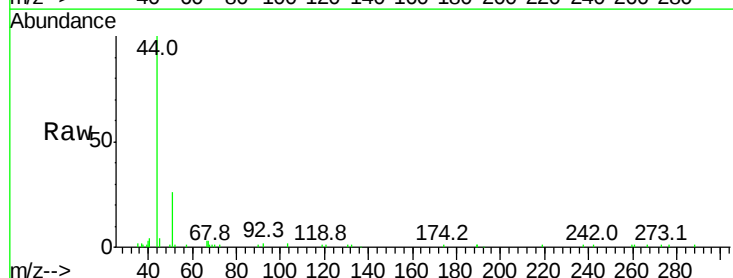
Acq: 4 Oct 2021 15:57

Tgt Ion: 51 Resp: 11033

Ion Ratio Lower Upper

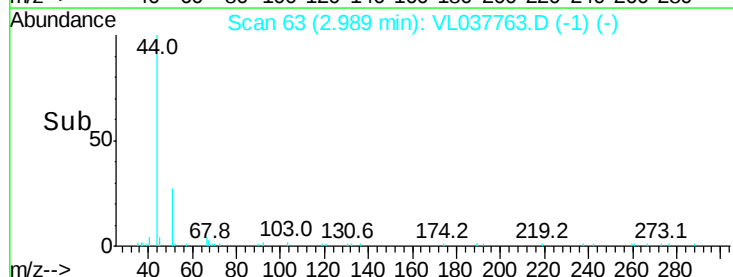
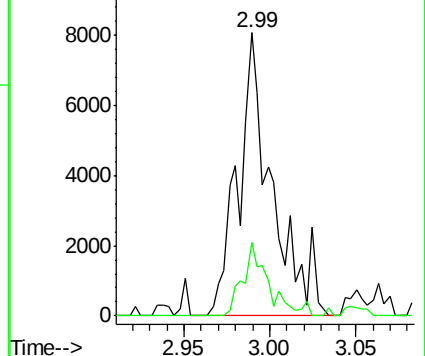
51 100

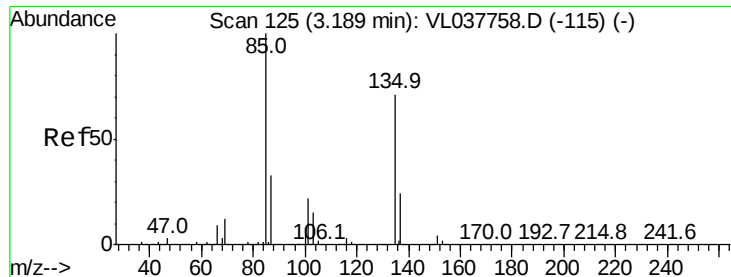
67 20.1 13.5 20.3



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#8

Dichlorotetrafluoroethane

Concen: 0.031 ppbv

RT: 3.19 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

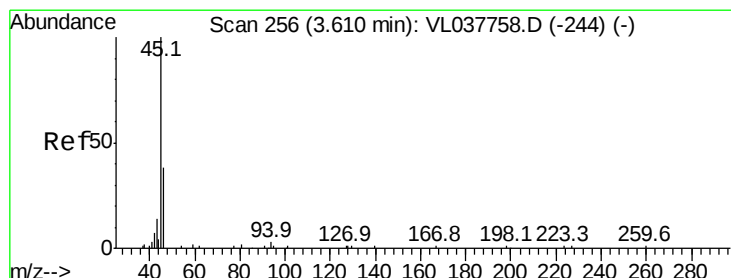
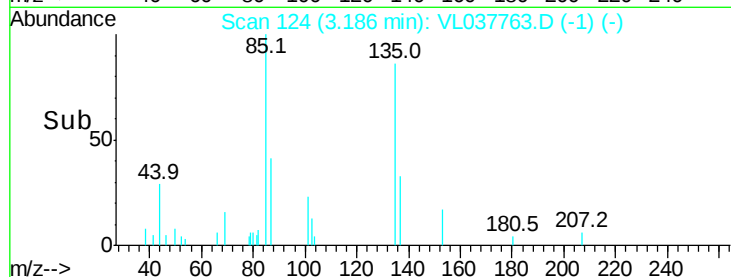
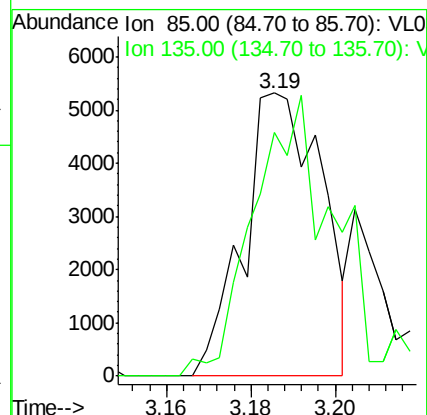
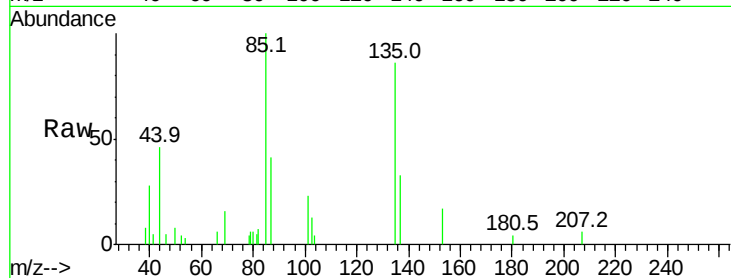
Acq: 4 Oct 2021 15:57 VSTDIC0.03

Tgt Ion: 85 Resp: 6839

Ion Ratio Lower Upper

85 100

135 113.0 59.5 89.3#



#13

Ethanol

Concen: 0.048 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.00 min

Lab File: VL037763.D

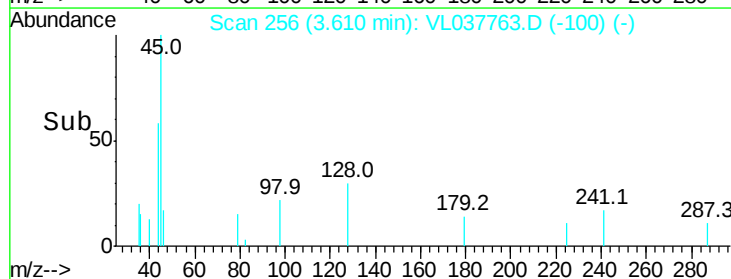
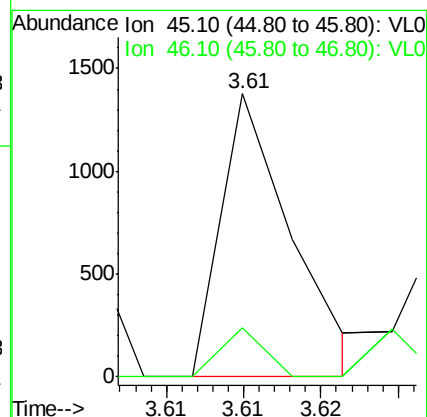
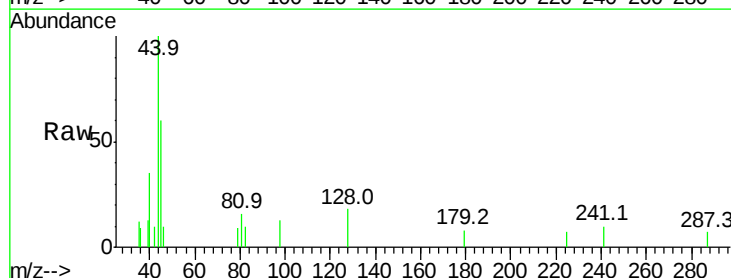
Acq: 4 Oct 2021 15:57

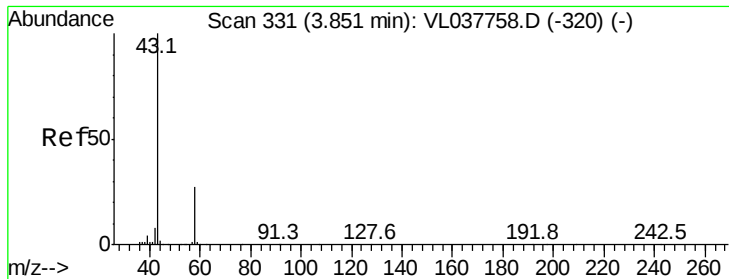
Tgt Ion: 45 Resp: 436

Ion Ratio Lower Upper

45 100

46 0.0 20.2 81.0#





#15

Acetone

Concen: 0.057 ppbv

RT: 3.88 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

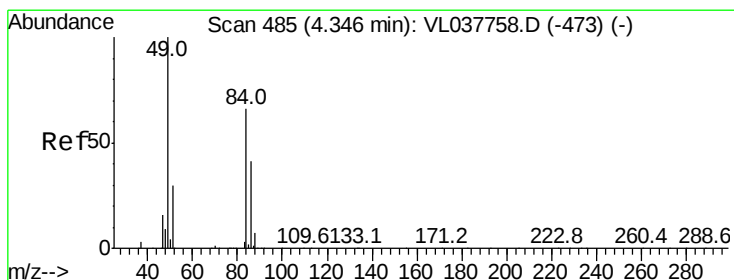
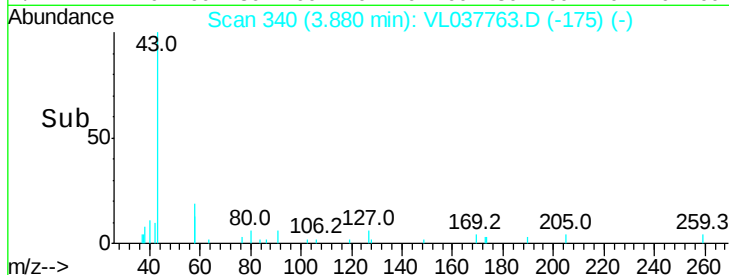
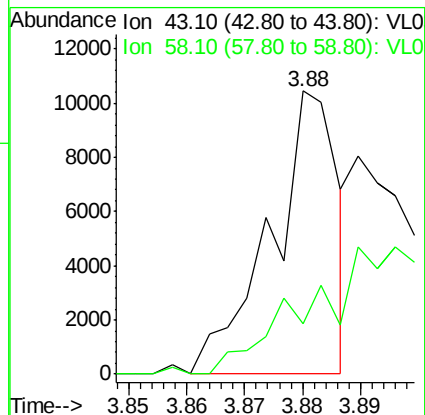
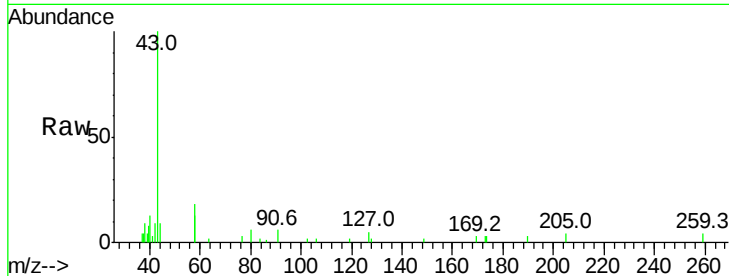
Acq: 4 Oct 2021 15:57 VSTDIC0.03

Tgt Ion: 43 Resp: 8356

Ion Ratio Lower Upper

43 100

58 0.0 23.0 34.6#



#20

Methylene Chloride

Concen: 0.072 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.01 min

Lab File: VL037763.D

Acq: 4 Oct 2021 15:57

Tgt Ion: 84 Resp: 4976

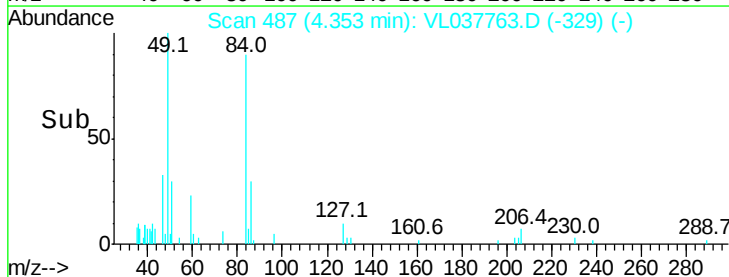
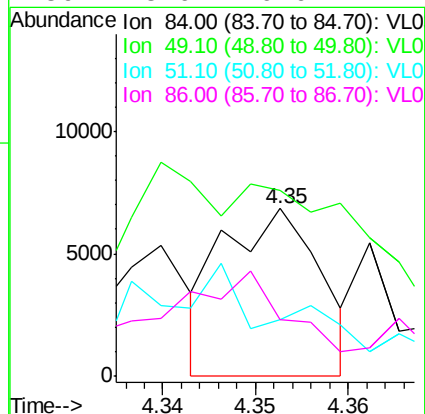
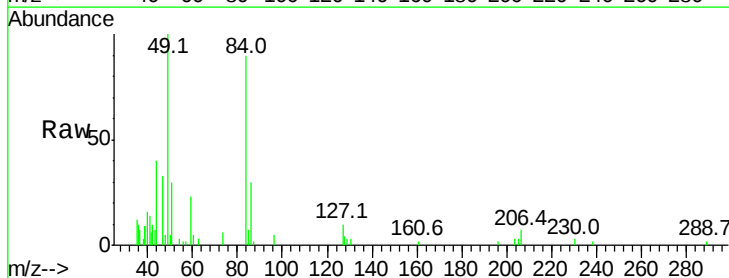
Ion Ratio Lower Upper

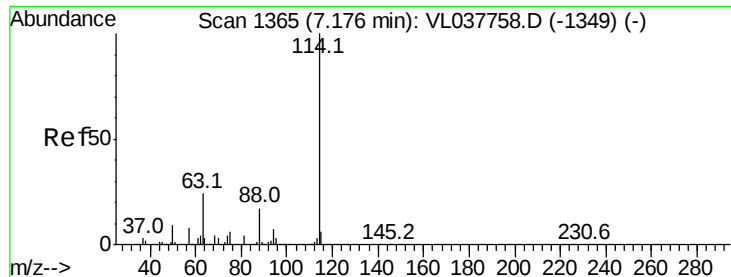
84 100

49 11.0 120.7 181.1#

51 3.6 36.2 54.4#

86 28.6 49.6 74.4#

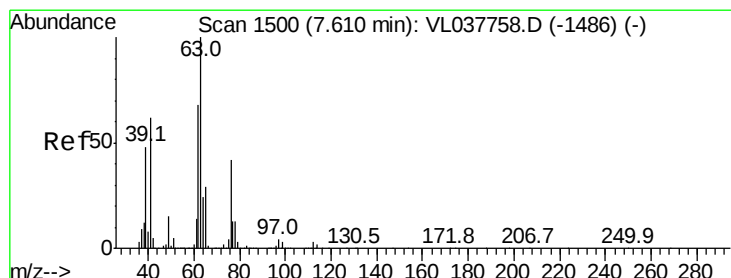
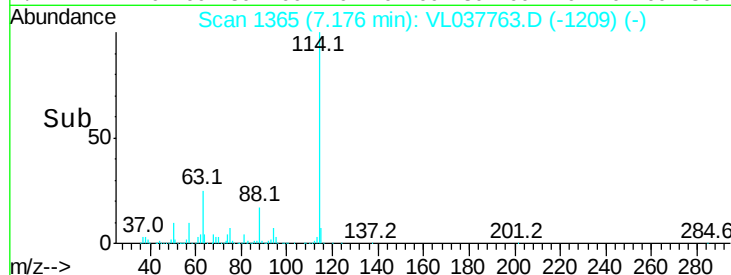
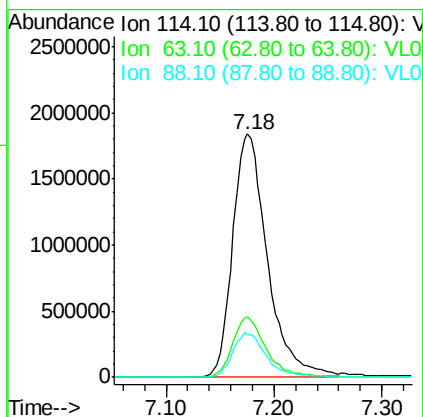
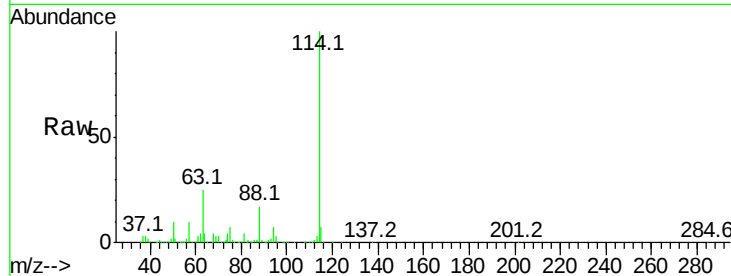




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min
 Delta R.T.: MSVOA_1
 Lab File: ClientSampleId :
 VSTDIC0.03
 Acq: 4 Oct 2021 15:57

Tgt Ion: 114 Resp: 4111572

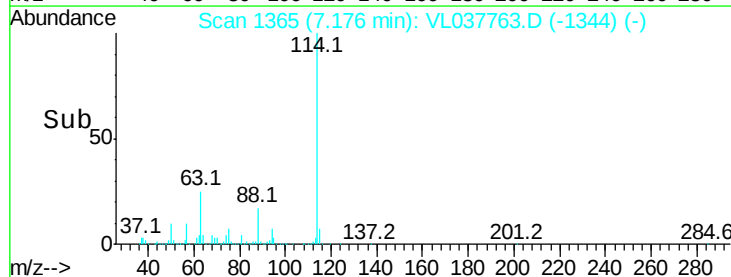
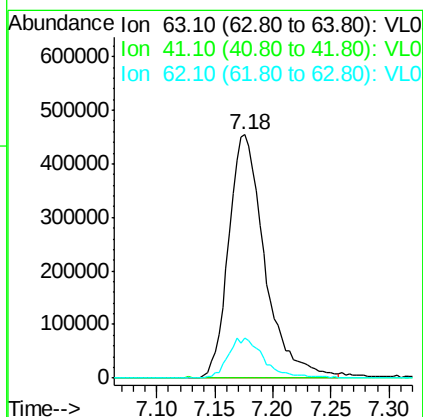
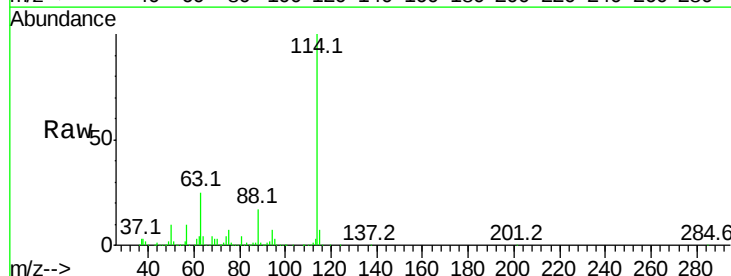
Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.4	29.2
88	18.0	14.4	21.6

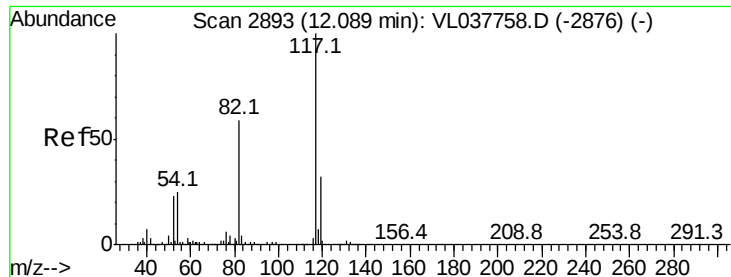


#39
 1,2-Dichloropropane
 Concen: 7.482 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T.: -0.43 min
 Lab File: VL037763.D
 Acq: 4 Oct 2021 15:57

Tgt Ion: 63 Resp: 982541

Ion	Ratio	Lower	Upper
63	100		
41	0.0	49.8	74.6#
62	16.4	54.6	82.0#

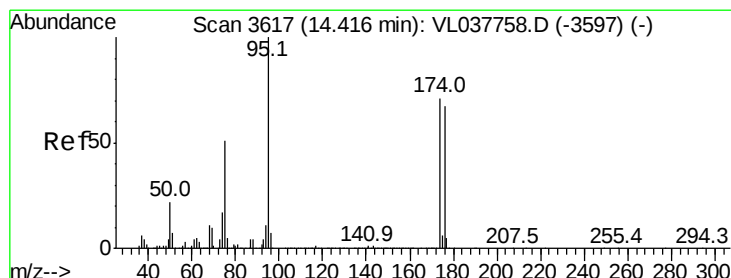
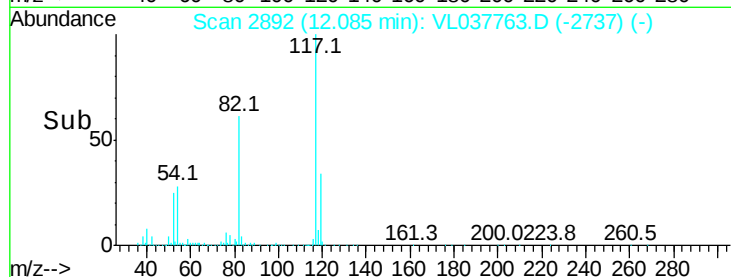
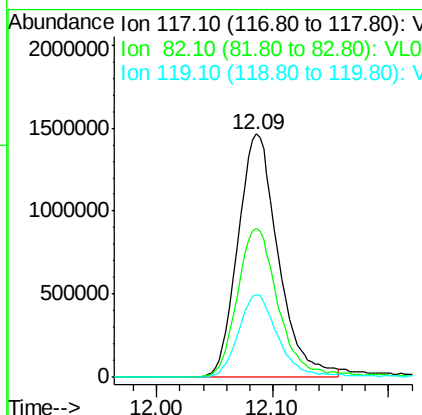
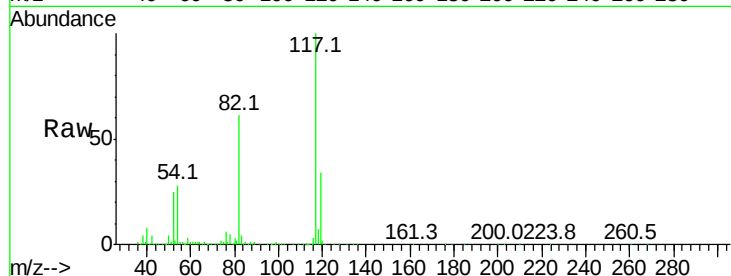




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Delta R.T.: 0.00 min
Lab File: VSTDIC003
Acq: 4 Oct 2021 15:57

Tgt Ion: 117 Resp: 3539703

Ion	Ratio	Lower	Upper
117	100		
82	63.6	52.2	78.2
119	34.5	26.0	39.0



#68
1-Bromo-4-Fluorobenzene
Concen: 9.621 ppbv
RT: 14.41 min Scan# 3616
Delta R.T.: -0.00 min
Lab File: VL037763.D
Acq: 4 Oct 2021 15:57

Tgt Ion: 95 Resp: 2461157

Ion	Ratio	Lower	Upper
95	100		
174	74.7	57.8	86.6
175	5.4	4.7	7.1

